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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| RE: Joachim Oppelt | § | Docket No: 564-24872-US |
| Serial No: 10/678,569 | § | Art Unit: 3672 |
| Filed: October 3, 2003 | § | Examiner: Kenneth L. Thompson |
| Title: High Data Rate Borehole Telemetry System | § | Confirmation No.: 2294 |

RESPONSE TO THE FINAL OFFICE ACTION OF NOVEMBER 17, 2006

This is a response to the Final Office Action of November 17, 2006. No new matter has been added by this amendment. Reconsideration of the application as amended below is respectfully requested.

Amendments to the claims begin on page 2.

Remarks begin on page 8.

The Conclusion begins on page 15.